

Eusiel Rubio-Castro

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

634
citations

567281

15
h-index

642732

23
g-index

23
all docs

23
docs citations

23
times ranked

413
citing authors

#	ARTICLE	IF	CITATIONS
1	Optimizing resilience at water-energy-food nexus. Computers and Chemical Engineering, 2022, 160, 107710.	3.8	11
2	Incorporating machine learning for thermal engines modeling in industrial waste heat recovery. Chemical Engineering Research and Design, 2022, 181, 239-252.	5.6	5
3	Optimal Profit Distribution in Interplant Waste Heat Integration through a Hybrid Approach. Energy, 2022, 253, 124001.	8.8	2
4	Involving resilience in optimizing the water-energy-food nexus at macroscopic level. Chemical Engineering Research and Design, 2021, 147, 259-273.	5.6	23
5	A Hybrid Metaheuristicâ€“Deterministic Optimization Strategy for Waste Heat Recovery in Industrial Plants. Industrial & Engineering Chemistry Research, 2021, 60, 3711-3722.	3.7	10
6	Analytical solution of the governing equations for heat and mass transfer in evaporative cooling process. International Journal of Refrigeration, 2020, 111, 178-187.	3.4	3
7	Optimal crop allocation including market trends and water availability. European Journal of Operational Research, 2020, 285, 728-739.	5.7	13
8	Fairness-guided design of water distribution networks for agricultural lands. Computers and Chemical Engineering, 2019, 130, 106547.	3.8	17
9	Optimal Design of Sustainable Agricultural Water Networks. ACS Sustainable Chemistry and Engineering, 2019, 7, 440-457.	6.7	7
10	Involving Acceptability in the Optimal Synthesis of Water Networks in Eco-Industrial Parks. Industrial & Engineering Chemistry Research, 2019, 58, 2268-2279.	3.7	17
11	Optimal design of total integrated residential complexes involving water-energy-waste nexus. Clean Technologies and Environmental Policy, 2018, 20, 1061-1085.	4.1	17
12	Optimization of Water Grid at Macroscopic Level Analyzing Waterâ€“Energyâ€“Food Nexus. ACS Sustainable Chemistry and Engineering, 2018, 6, 12140-12152.	6.7	36
13	Optimal design of integrated agricultural water networks. Computers and Chemical Engineering, 2016, 84, 63-82.	3.8	13
14	Synthesis of Eco-Industrial Parks Interacting with a Surrounding Watershed. ACS Sustainable Chemistry and Engineering, 2015, 3, 1564-1578.	6.7	30
15	Optimal design of agricultural water systems with multiperiod collection, storage, and distribution. Agricultural Water Management, 2015, 152, 161-172.	5.6	17
16	Solving the heat and mass transfer equations for an evaporative cooling tower through an orthogonal collocation method. Computers and Chemical Engineering, 2014, 71, 24-38.	3.8	16
17	Global optimization in propertyâ€“based interplant water integration. AIChE Journal, 2013, 59, 813-833.	3.6	47
18	Synthesis of cooling water systems with multiple cooling towers. Applied Thermal Engineering, 2013, 50, 957-974.	6.0	63

#	ARTICLE	IF	CITATIONS
19	Optimal integration of organic Rankine cycles with industrial processes. Energy Conversion and Management, 2013, 73, 285-302.	9.2	67
20	Optimal reconfiguration of multi-plant water networks into an eco-industrial park. Computers and Chemical Engineering, 2012, 44, 58-83.	3.8	56
21	Optimization of mechanical draft counter flow wet-cooling towers using a rigorous model. Applied Thermal Engineering, 2011, 31, 3615-3628.	6.0	44
22	A global optimal formulation for the water integration in eco-industrial parks considering multiple pollutants. Computers and Chemical Engineering, 2011, 35, 1558-1574.	3.8	54
23	Water Integration of Eco-Industrial Parks Using a Global Optimization Approach. Industrial & Engineering Chemistry Research, 2010, 49, 9945-9960.	3.7	66